

AMENDMENTS IN THE SPECIFICATION

1. Please amend the abstract as follows –

The present invention provides systems and methods to A propulsion apparatus, and particularly to propulsion devices using unbalanced centrifugal force to propel a vehicle in a unidirectional motion. According to one embodiment, a device for conversion of centrifugal force to linear force and motion is disclosed, comprising: a first gear rotatably fixed to a first arm and having a first connecting bar rotatably attached to and abutting the inner side of the first gear and a second connecting bar rotatably attached to and abutting the outer side of the first gear; a second gear in opposite rotational communication with the first gear and weighted along an outer edge and rotatably attached to and abutting the first connecting bar and the second connecting bar; and a first drive means for translating centrifugal motion of the first gear to unidirectional motion.